6 MAINTENANCE

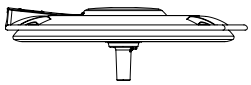
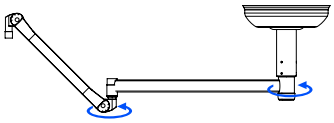
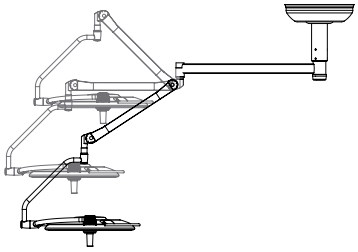
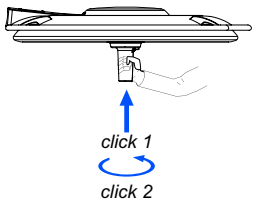
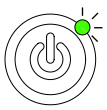
6.1 PREVENTIVE MAINTENANCE

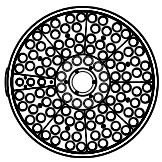
To preserve your surgical light's original performance and reliability, annual maintenance and inspections should be performed as follows:

- During the guarantee period: by a MAQUET technician or MAQUET-approved distributor.
- Outside the guarantee period: by a MAQUET technician, MAQUET-approved distributor, or a hospital technician trained in servicing the MAQUET SA products referred to herein. (Please contact your dealer to receive the necessary technical training).

- For information on the video components (camera, control box, etc.) refer to the operator's manual for the Prismavision or ORCHIDE camera.

6.2 BASIC MAINTENANCE

Daily checks (user) Solutions are listed in Section 11	
	■ Check the lightheads for chipped paint, impact marks and any other damage.
	■ Check the stability/drift of the main arms and the spring arms.
	■ Check that the spring arm remains in position. ■ Three checkpoints: bottom, middle, top.
	■ Check whether the sterilisable handle clicks and locks in place correctly; replace it if not.
	■ Check whether the green LED lights up when the lighthead is turned on.

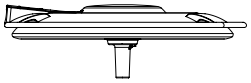


- Check whether the LEDs operate correctly.

⚠ The light source is a high-intensity light source. Do not look directly into it.

- Check whether the system switches correctly between Surgical light/Ambient light and Standard mode/AIM mode (if option installed).

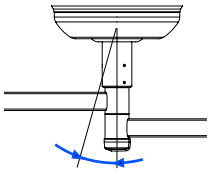
Monthly checks
(PowerLED power supply units with battery backup only)



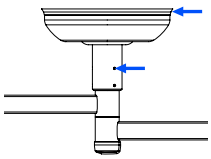
- Check the lightheads for chipped paint, impact marks and any other damage.

- Check whether the backup power supply turns on and the light operates correctly if a power cut were to occur.
- LED is orange (see page 18).

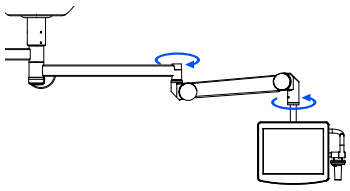
Annual checks
(must be performed by an authorised technician)



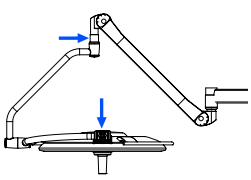
- Check the verticality of the suspension tube.



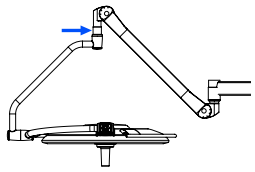
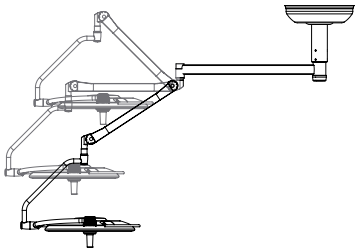
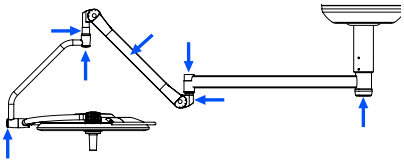
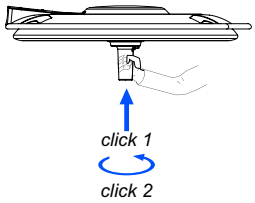
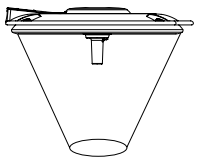
- Check whether the attachment screws on the suspension tube are tight and the seals are in place.



- Make sure stops are fitted on the spring arms supporting the flat panels.



- Check the snap rings on all the lightheads.

	■ Remove the lightheads and lubricate the sleeves.
	■ Check whether the spring arm is correctly balanced.
	■ Check for any loose covers and caps.
	■ Check the locking mechanism for the sterilisable handle.
	■ Using a light meter, check the light level: PWD 700: >110,000 lux at 1 metre PWD 500/300: >100,000 lux at 1 metre

WARNING

Dismantling certain elements may affect operation and safety. For example:

- When servicing the electrical power supply.
- When servicing the suspension arm and balance system.

Contact the authorised MAQUET after-sales service department for this type of inspection.